FIG. 1

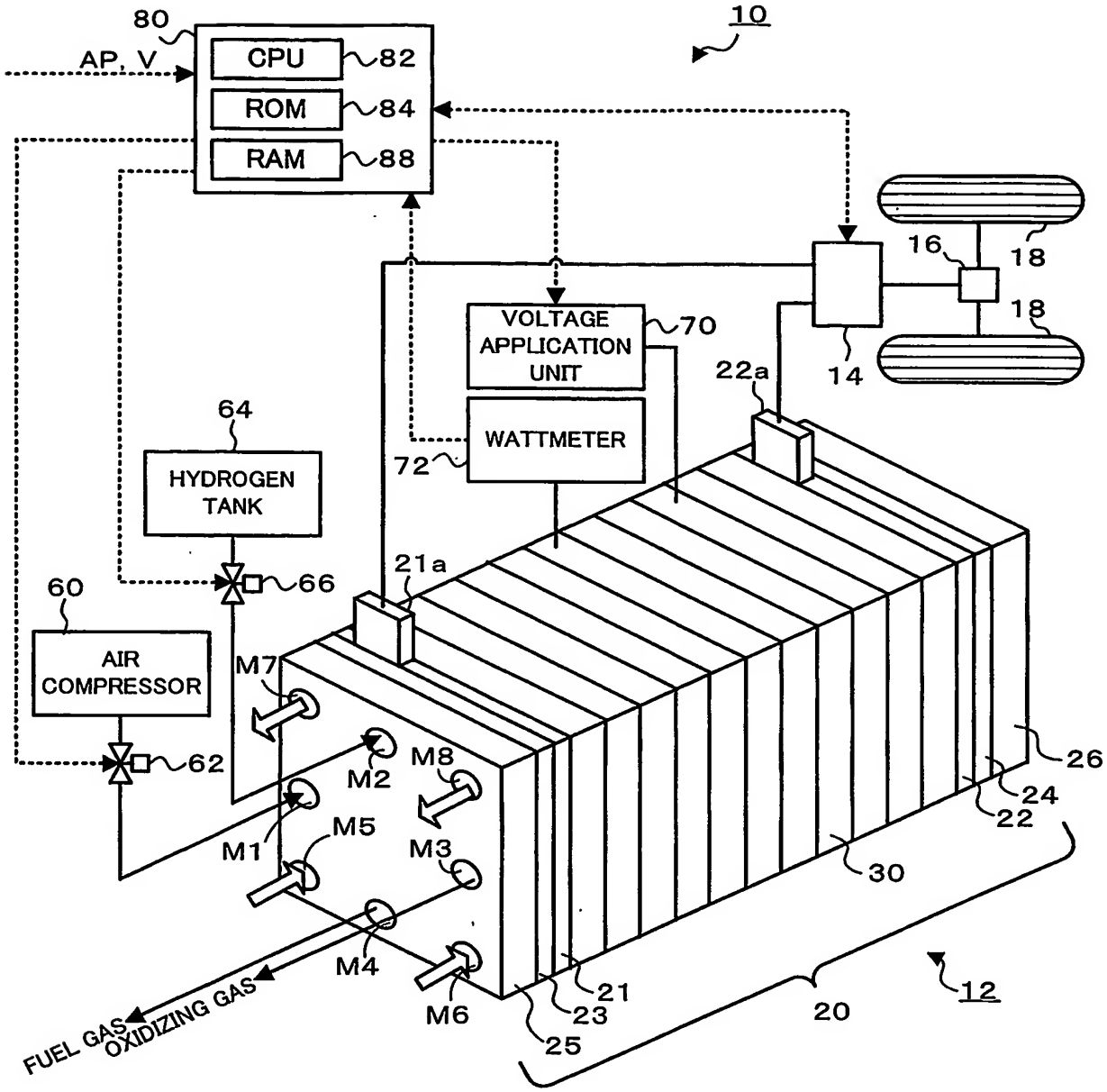

80
AP. V
CPU
82
ROM
84
RAM
88
10
16
18
18
VOLTAGE APPLICATION UNIT
70
WATTMETER
72
14
22a
64
HYDROGEN TANK
66
60
AIR COMPRESSOR
62
21a
M7
M2
M8
M1
M5
M3
M4
M6
FUEL GAS
OXIDIZING GAS
26
24
22
30
21
23
25
20
12

FIG. 2

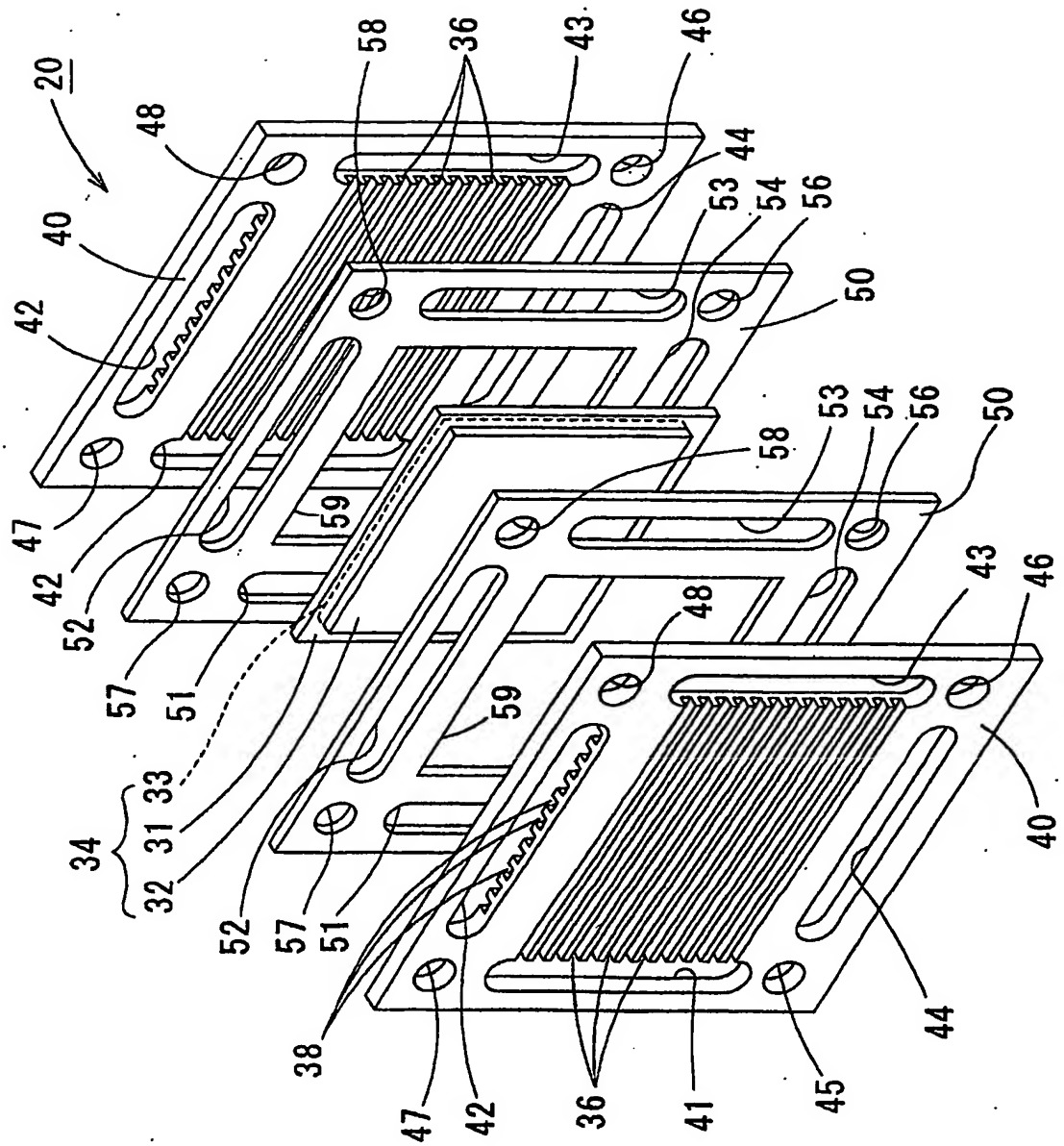

20
48
58
36
43
46
40
44
53
54
56
42
50
47
59
52
57
51
33
31
32
34
38
45
41

FIG. 3

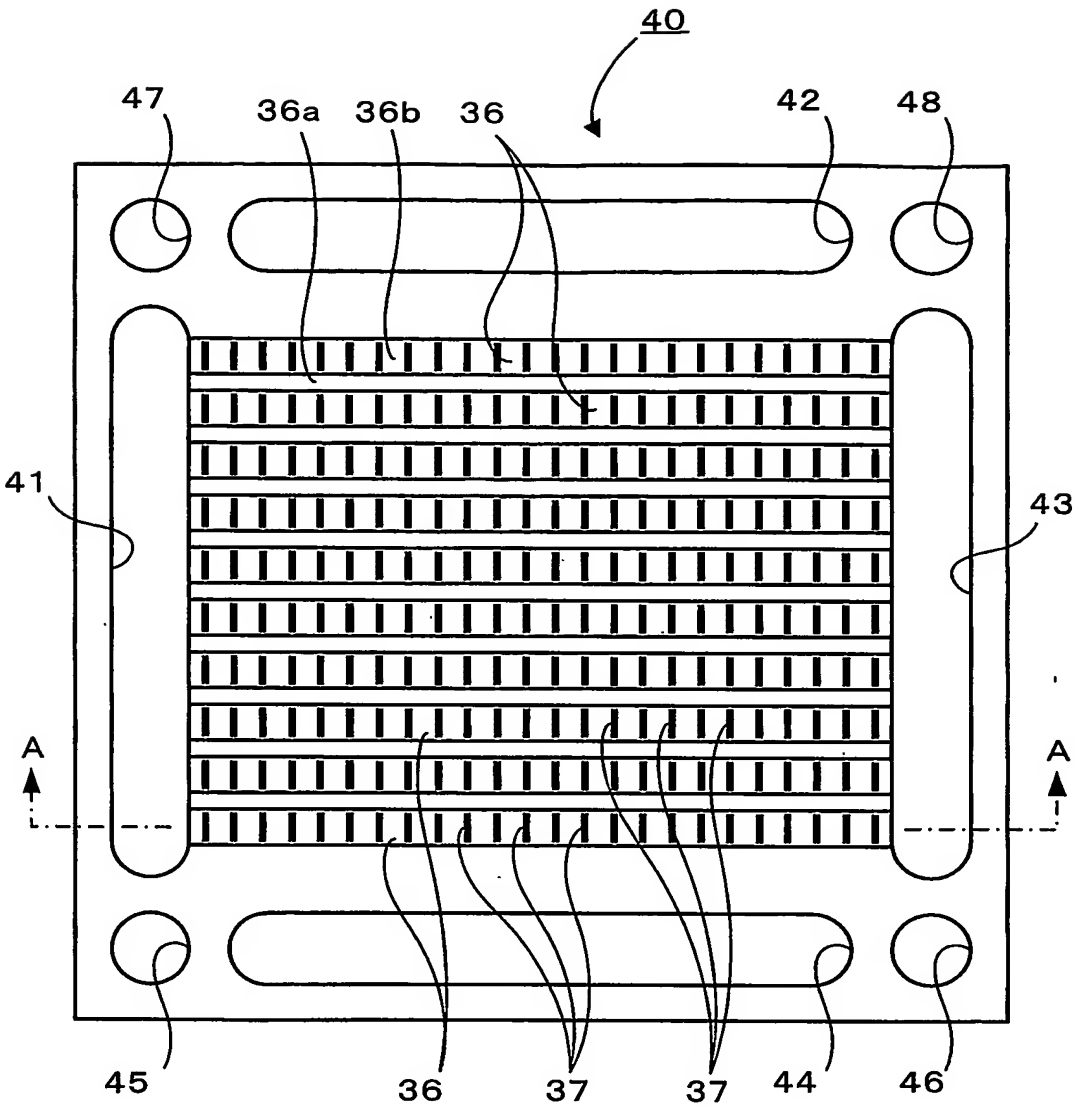


FIG. 4

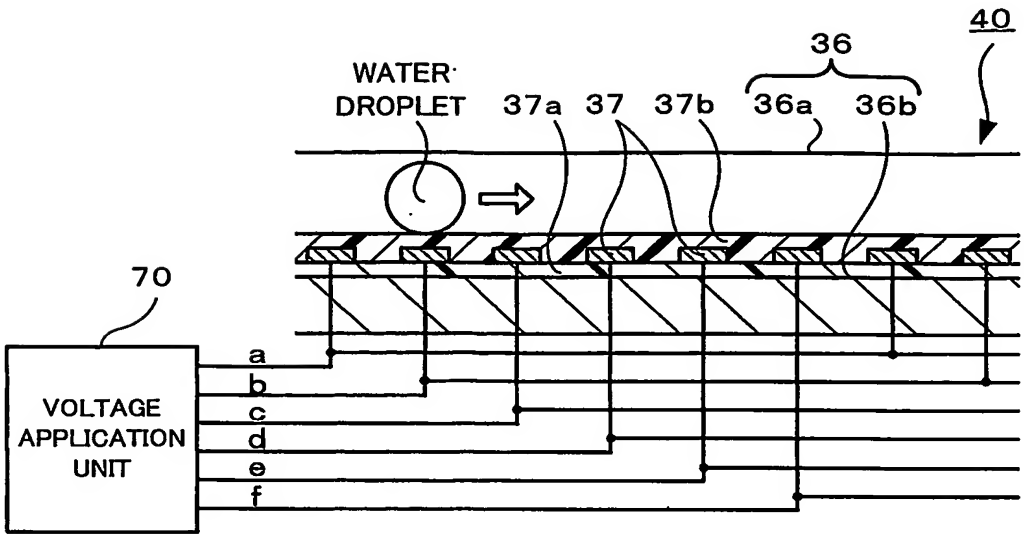
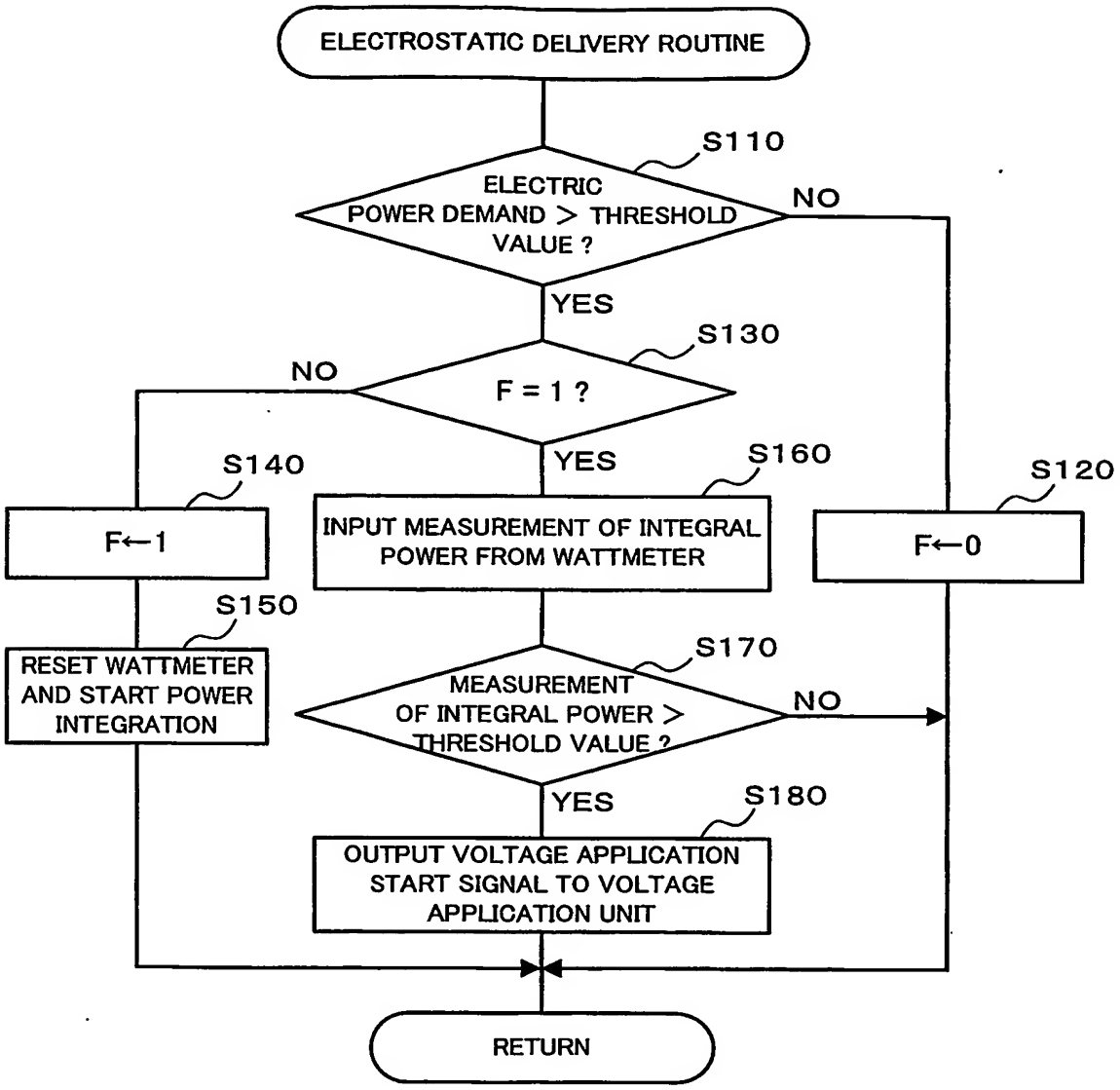

40
36
WATER DROPLET
37a
37
37b
36a
36b
70
VOLTAGE APPLICATION UNIT
a
b
c
d
e
f

FIG. 5

	a	b	c	d	e	f
1	+	+	0	−	−	0
2	0	+	+	0	−	−
3	−	0	+	+	0	−
4	−	−	0	+	+	0
5	0	−	−	0	+	+
6	+	0	−	−	0	+

1 CYCLE

FIG. 6


ELECTROSTATIC DELIVERY ROUTINE
S110
ELECTRIC POWER DEMAND > THRESHOLD VALUE ?
NO
YES
S130
F = 1 ?
NO
YES
S140
F←1
S160
INPUT MEASUREMENT OF INTEGRAL POWER FROM WATTMETER
S120
F←0
S150
RESET WATTMETER AND START POWER INTEGRATION
S170
MEASUREMENT OF INTEGRAL POWER > THRESHOLD VALUE ?
NO
YES
S180
OUTPUT VOLTAGE APPLICATION START SIGNAL TO VOLTAGE APPLICATION UNIT
RETURN

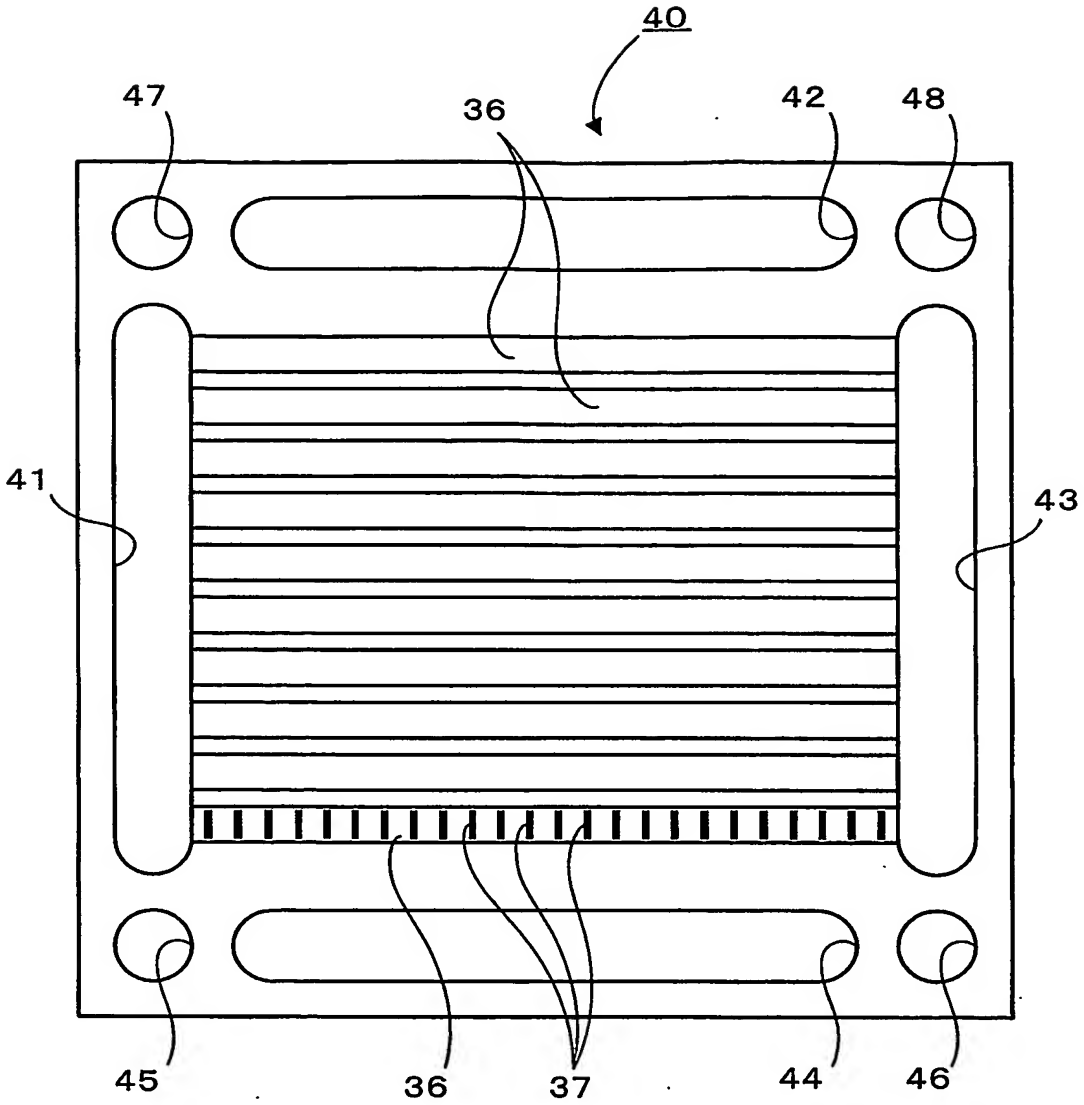



FIG. 7